



Installation Guide

This Installation Guide is Meant for:

- Entry Doors
- Wine Doors
- Most Windows

READ BEFORE YOU
BEGIN INSTALLATION

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READ BEFORE YOU START INSTALLATION

Any damage or major blemishes in the finish must be reported to Iron Lion with pictures BEFORE installation. Otherwise, it will be assumed that the damage occurred during installation.

1. INSTALLATION OF OUR PRODUCTS SHOULD ONLY BE ATTEMPTED BY AN EXPERIENCED DOOR/WINDOW INSTALLER.
2. IRON LION DOORS ARE ALL PRE-HUNG AND BALANCED
3. UPON INSTALLATION IF THE DOORS ARE RUBBING AGAINST EACHOTHER, OR THE JAMB, THERE IS A PROBLEM WITH THE INSTALLATION. THIS CAN BE FIXED THROUGH ADJUSTMENT. PLEASE REFER TO THE TROUBLESHOOTING PAGE (PG. 7) FOR FURTHER ASSISTANCE. WE ARE ALSO AVBAILABLE DURING REGULAR BUSINESS HOURS FOR ASSISTANCE BY PHONE.
4. IRON LION WILL NOT ASSUME FINANCIAL RESPONSIBILITY TO ANY DAMAGES TO THE DOOR OR JAMB IF THE ABOVE AND TO BE MENTIONED STEPS ARE NOT FOLLOWED.

Entry Door Installation Instructions

Installation of our products should only be attempted by an experienced door/window installer. Please read the entire installation instructions before beginning the installation.

Items Included in Shipping

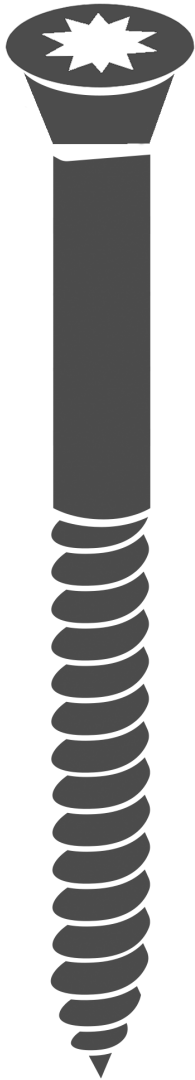
Anchoring Lag Bolt



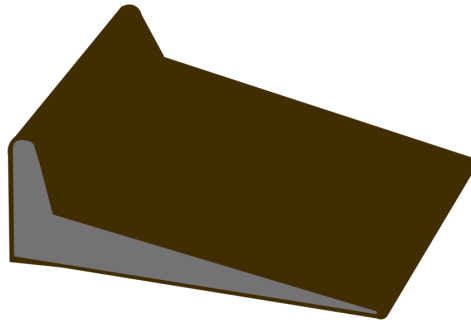
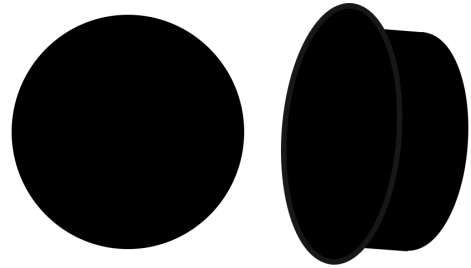
3/8" - 3" Hex Head
(New Construction)

1" and .5" Caps
(Remodel and Side-lights)

Anchoring Spax
Screw



3" Spax
(Remodel)



Wedge

What We Include with your Shipment

- Lag Bolts (New Construction)
- Spax (Remodel)
- Caps (Remodel or additional pieces)
- Door Sweeps
- Wedges
- Handleset (If ordered)

*Number of Individual Items Depends on unit
Size & conjoining parts.

Tools and Other Required Materials (Not provided by ILE)

| | | | | |
|--|--|---|--|--|
|  <p>Tape Measure</p> |  <p>Flashing Tape</p> |  <p>Sill Pan</p> |  <p>Shims</p> |  <p>Adjustable Wrench</p> |
|  <p>Caulk Gun</p> |  <p>Grease</p> |  <p>Hammer & Rubber Mallet</p> |  <p>Socket Wrench & 1/2" Socket</p> | |
|  <p>Caulk & Sealant</p> |  <p>Bubble Level</p> | | | |
|  <p>Crow Bar or Pry Bar</p> |  <p>Drill Bit Set</p> |  <p>Automatic Drill</p> | | |
| |  <p>Glass Cleaner</p> | | | |

Preparation

Before completely unpacking, verify that all hardware and sweeps are included in the shipping pallet

The following instructions assume the subfloor is level and in good condition (Clear any debris)

- To start.....make sure the door unit will fit the rough opening. (Rough opening should be 1" longer on the width and 1/2" on the height than the total unit dimensions).
- Carefully unpack the door. DO NOT at any time rest the door panel(s) or the door frame on the door hinges because the hinges may bend out of alignment.
- Remove the glass panel(s) from the door panel(s) and store in a safe place during installation of the door. ***Iron Scroll Doors ONLY**
- The doors should be installed on the subfloor, not the finished floor. (Or installed on Advantech strip to raise if desired). Check the floor to make sure it is level, using a bubble or laser level.
- We strongly suggest using window flashing tape and a sill pan to create a barrier between subfloor and unit.....and by suggest we are saying you should or potentially have issues later! Flash the floor and at least 6" on either side of your RO up the wall.
- Wires and switches for the house security system and doorbell can be ran through the door jamb by drilling the appropriate holes. Please carefully plan before drilling any holes. Remember; measure three times (not twice!) –drill once!

Procedure

New Construction Note: Before setting the door frame in the RO, please make sure the floor plates (house framing) are secured to the floor. If not, secure a lag bolt (for wood subfloor) or a Tapcon (for concrete) about 4-6 inches from the king stud on both sides of the opening. This prevents wall shifting.

1. Stand up the door frame in the rough opening and rest it on the subfloor.
2. The door frame mounting flanges must be rested against the framing studs, not on the sheetrock/drywall. Cutting back the sheetrock/drywall may be required.
3. Center the door frame in the rough opening.
4. Each flange on the iron door frame has two holes but ONLY one is used per flange. When drilling the pilot holes, use the flange hole that is in the middle of the stud (or the one closest). Do not drill near the edge or in a stud seam or you may adversely affect the framing.
5. Drill **one 1/4"** pilot hole in **ONLY** the top right and top left flanges.
6. Put the top right and top left lag bolts in – securing the jamb then check if the frame is level on all sides. Adjust until level. A crowbar or pry bar can be used to maneuver the bottom of the door by placing the bar in the seam between the doorframe and jack studs only.
7. Grease the hinges with your “hinge” grease.
8. Set the door panels on their hinges (Do not put the glass frames in at this time).
9. Check the alignment of the doors. Also check to see if the doors are balanced (not falling open or closed on their own).

Procedure Contd...

10. Drill pilot holes in the header flange and bottom two flanges and secure with lag-bolts. **DO NOT COMPLETELY TIGHTEN DOWN.**
11. Shim the door frame until square. Door panel should properly close without rubbing each other or the frame.
12. Insert shims behind the flanges and tighten all lag bolts as necessary to make sure the door is plumb and balanced.
13. Apply a small amount of construction adhesive around shims to prevent them from moving after you've placed shims around the unit frame/jamb to achieve a snug fitment.
14. Tighten all lag-bolts.
15. Mark bottom flush bolt with pin, hold door shut tight, engage the bolt until it touches the threshold, open the door and check for grease mark. Drill small pilot hole, followed by 1/2" drill bit for the final hole. Deviate in the direction of the exterior to prevent the door being loose.

See Door Alignment diagram under troubleshooting for further instruction on correct door fitment.

Final Steps

1. Carefully insert the glass frames on their hinges. [*Iron Scroll Doors Only](#)
2. Spray window and door expansion foam sealant between door frame and rough opening/house framing.
3. For hardware installation, see instructions provided by the manufacturer in the hardware box.
4. We have custom oversized latch plates made for the inactive door only. They are found in a small white box within the larger brown hardware box. Use the latch plates provided with the hardware (not in small white box) for the active door.
5. Wrap Doors in Heavy Plastic. Wrapping doors in heavy plastic protects the product. [DO NOT put tape directly on the door](#) – [Tape plastic to plastic](#). Glue from the tape can bake into the door finish if left on.

Thank you for purchasing an Iron Lion product! We are pleased to provide you with premium doors that will enhance the visual appeal of your home. Should you have any questions, comments, or concerns, please use the contact information on the following page.



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Technical Assistance & Product Availability

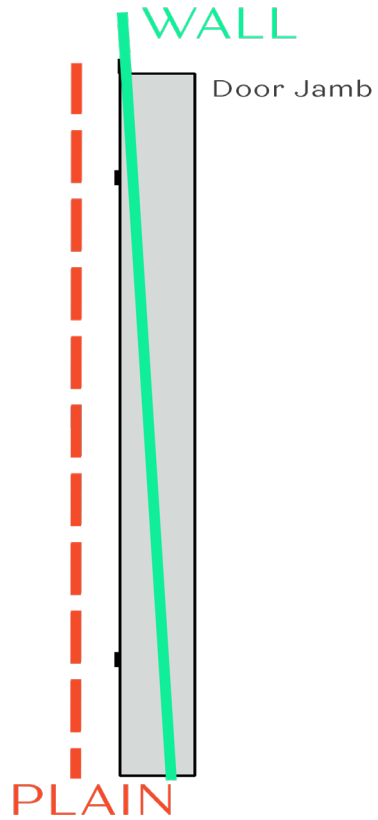
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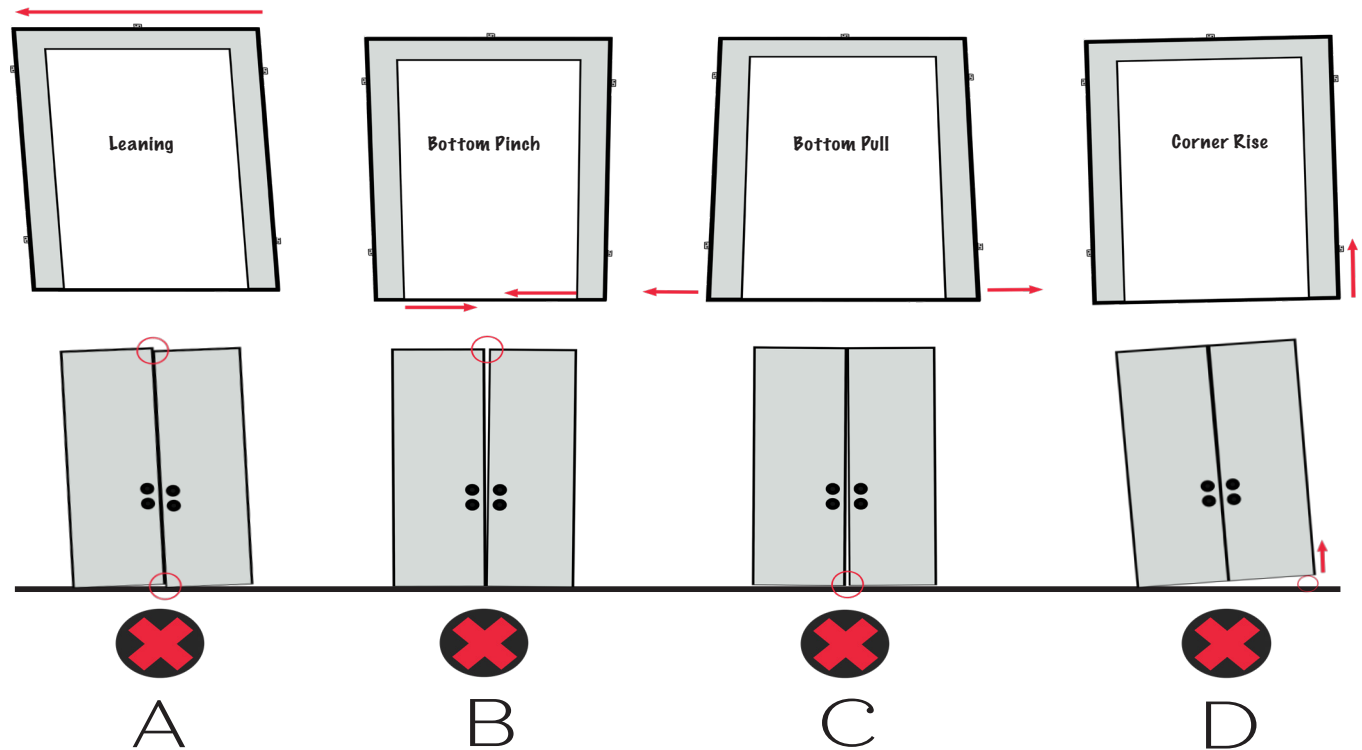
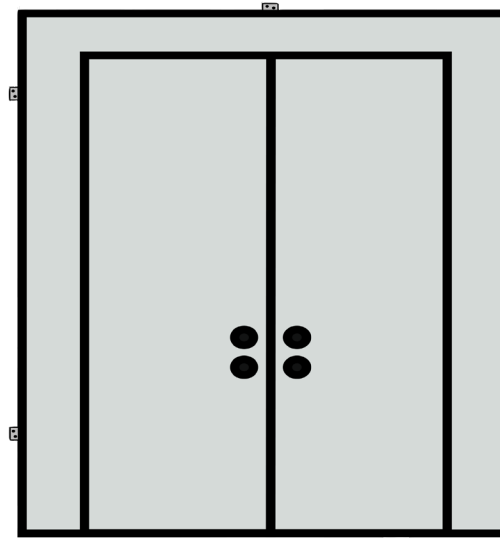
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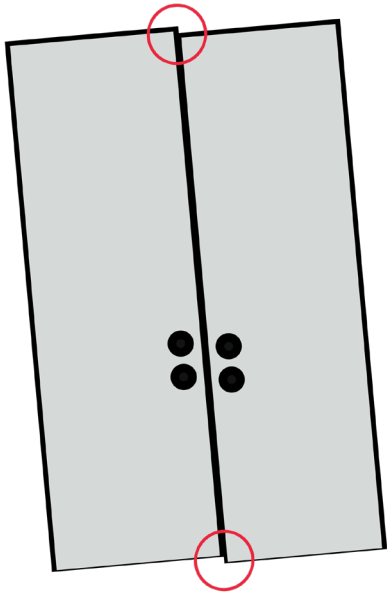
Troubleshooting



Use Shims to align the **JAMB** with the **PLANE** not the **WALL**

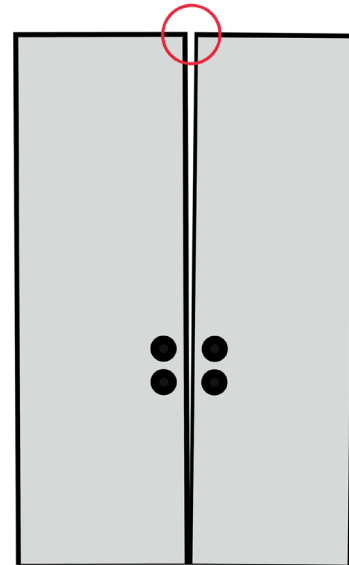
See next page for fitment resolutions (A,B,C,D)





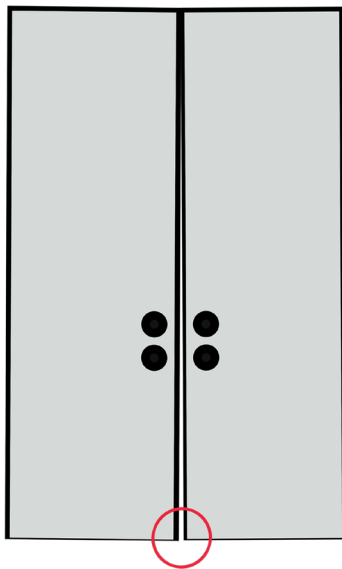
A. Top Lean:

Look at your top mounting tabs. Adjust till a SQUARE fitment is achieved (North/South). Place shims between Mounting Tabs and Studs to correct fitment.



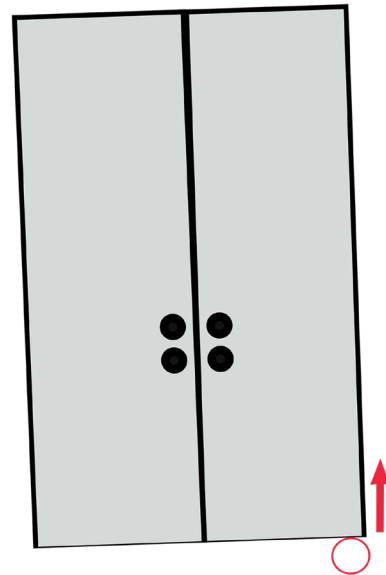
B. Bottom Pinch/Top Pull:

Look closer at the corners of your jamb. Make sure they are level and square in all directions. Potentially adjust Lag Bolt placement. Put a Level on it!



C. Bottom Pull/Top Pinch:

Look closer at the corners of your jamb. Make sure they are level and square in all directions. Potentially adjust Lag Bolt placement. Put a Level on it!

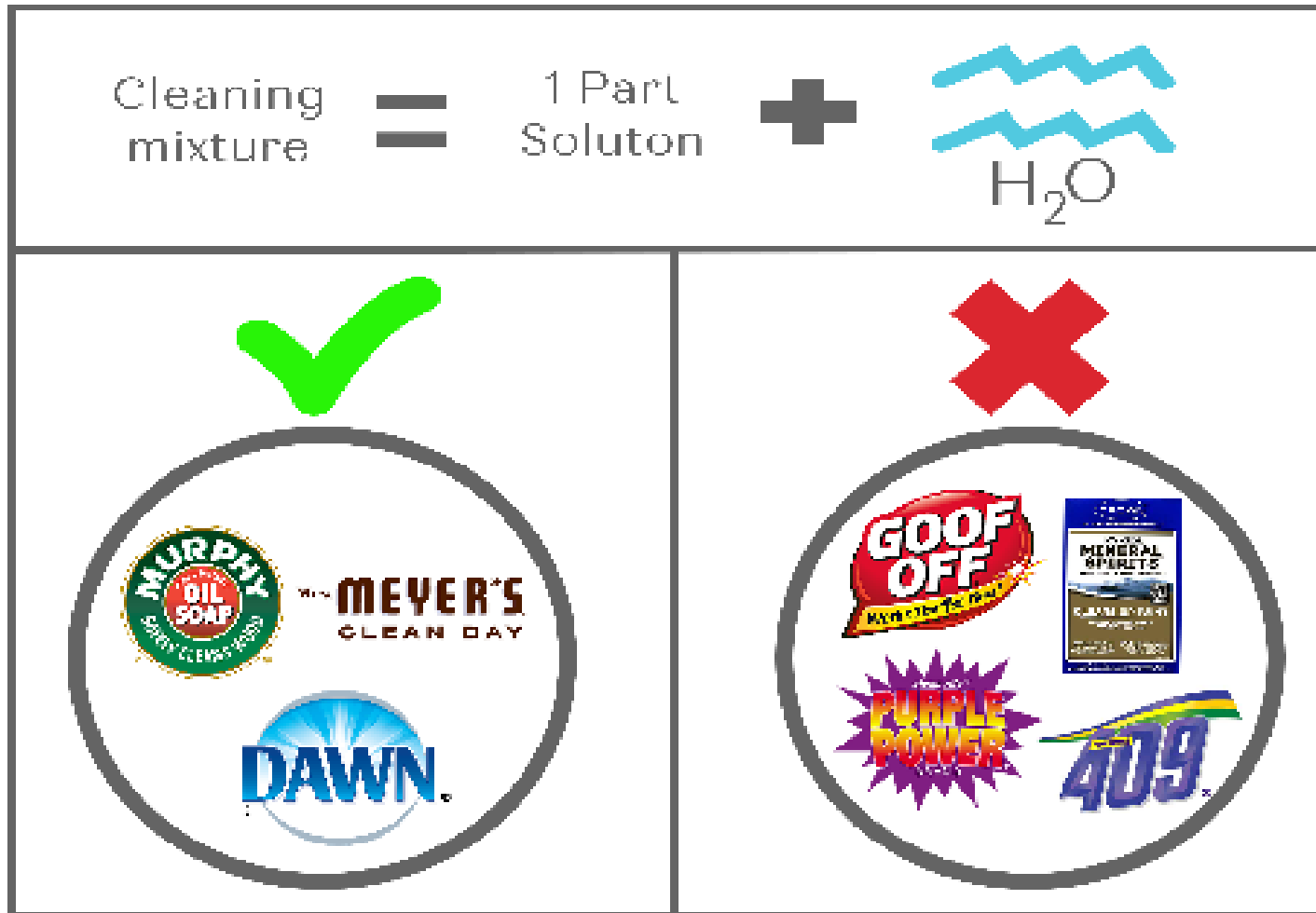


D. Bottom/Corner Raise:

Make sure any and all obstructions are clear of the Rough Opening. Place shims under the jamb along East/West Plane to correct undue rise.

Cleaning & Care

DO NOT use paint thinner or Goof-off type products to clean door.



- After installation, the door can be cleaned with a clean **microfiber cloth** towel.
- For regular cleaning use Murphy's Oil soap for wood with a microfiber cloth. This will keep your iron door looking new for years to come. This should be done every **3 to 6 months**. We also recommend cleaning the handleset with a microfiber cloth and Dawn Dish Soap at the same time.